

MIXTOPE ecoSCREED

Single component fast setting Floor screed

Mixtope ecoSCREED is a specially designed fast setting screed, specially designed with the inorganic polymer technology the product is in powder form activated with water results a self smoothing easy leveling screed with is fast setting and provide a heavy duty topping for industrial floor concrete. The product's high early strength and fast setting properties with high adhesion strength to substrate and free flow makes a suitable choice to cover and repair the floor undulations. The non shrink property and its thermal co-efficient expansion being very close to the value of base concrete.

Appropriation

Floor of:

- Ware houses – normal screed on new concrete substrate
- Repair old floors
- Eco friendly concept for green buildings

Characteristics

- High Impact and abrasion resistant
- High compressive and tensile strength
- Excellent resistance to chemicals
- High strength
- Non tainting & Solvent free
- High adhesion with substrates
- Non priming
- Self curing
- Non corrosive and non flammable
- No VOC contents or epoxy / resin / cement
- Fire resistant
- Can set in extreme weather conditions
- Environment friendly
- Non-shrink

Technical data and properties

- Appearance: Grey powder
- Compressive strength (BS 6319 part 2)
 - @ 7 days : 25 N/mm²
 - @ 28 days : 35 N/mm²
- Flexural strength @28days: 6N/mm²
- Tensile strength @28 days: 5N/mm²
- Bonding strength @28 days: 5N/mm²
- Pot life: @25°C : 60 minutes
- Water absorption: <2%
- Bond strength: Greater than the cohesive strength of good quality concrete
- Impact resistance: No cracking or debonding
- Density: 2100kg/m³
- Chemical resistance:
 - Excellent to Acid>3pH
 - Alkali, Chloride & sulphates

Product management

Surface preparation:

The new concrete surface to be treated must be of 28 days old. The concrete should be structurally sound. Pot holes to be repaired with Mixbuild repair mortar and allow curing. The surface should be free from dust, dirt, curing compound and laitance. Before application of Mixtope ecoSCREED makes sure that the surface is absolutely dry.

MIXTOPE ecoSCREED

Single component fast setting Floor screed

Uneven concrete should be leveled to produce a roughened flat surface. Where repairs are required they can be carried out using Mixtope ecoSCREED filled out with additional aggregate or, if time allows a suitable product from Mixbuild range.

Expansion, control and isolation joints in concrete substrates should be carried through Mixtope ecoSCREED floors and filled with a suitable sealant from the MIXFLEX joints sealants range.

Prior to application Mixtop SL5000 should be stored under cover in air conditioning and protected from extremes of temperature which may cause inconsistent workability, finish and cure times of the mixed material.

Priming:

Normal and new concrete surface does not required any priming, but for very old concrete primer recommendation is as per site / substrate condition

Mixing:

Mixing should be carried out using a forced action mixer (600 to 800rpm), Add the powder with water (1.1ltr for 10 kg powder). Mix 3 to 5 minutes @35°C

Placing:

Pour the mixed material evenly over the concrete and in such a way as to avoid the entrapment of air. If necessary spread the screed with a steel / plastic float to give a uniform cover, and level and finish off with a spike roller.

Coverage

0.92m² / kg @5mm thickness

Cleaning

Clean the tools immediately after use with xylene, xylol or toluene solvents.

Storage

Store in closed containers and avoid direct sunlight.

Packing & Storage

Mixtope ecoSCREED is available in 10kg packets. Should be stored in cool, shaded and dry warehouses, similar to cement. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations.

Health & Safety

Mixtop ecoSCREED contains no poisonous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product

Rev. Nov-10/01

Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

Group Head office:

PYCHEM Co. L L C
Post Box 23940, Sharjah.
Te: +971 6 5420414 / 5431636
Fax: +971 6 5421446
Mail: mail@fab-cc.com
fabchem@gmail.com

Under Technical Collaboration with
MIX UK Limited
Cherry Tree House, Cherry Tree Lane
Rostherne, Cheshire, WA143RZ
Web: www.mixuk.com

Head office:

T33A/1, Thryambhava Houses
Kalapetty road, Coimbatore – 14
Tel: 0422 3222245
Fax: 0422 2625207
Mail: mail@fab-cc.com
fabchem@gmail.com



FABCHEM



PYCHEM



MIX UK LTD